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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/762,105

DATE: 10/25/2002
TIME: 16:16:29

Input Set : A:\09762105.txt
Output Set: N:\CRF4\10252002\I762105.raw

4 <110> APPLICANT: Rutgers, The State University of New Jersey
 5 Maliga, Pal
 6 Kuroda, Hiroshi
 7 Khan, Muhammad Sarwar
 9 <120> TITLE OF INVENTION: Translation Control Elements for
 10 High-Level Protein Expression in the Plastids of Higher
 11 Plants and Methods of Use Thereof
 14 <130> FILE REFERENCE: Rut 00-0010
 16 <140> CURRENT APPLICATION NUMBER: 09/762,105
 17 <141> CURRENT FILING DATE: 2001-04-23
 19 <150> PRIOR APPLICATION NUMBER: PCT/US99/17806
 20 <151> PRIOR FILING DATE: 1999-08-03
 22 <150> PRIOR APPLICATION NUMBER: 60/138,764
 23 <151> PRIOR FILING DATE: 1999-06-11
 25 <150> PRIOR APPLICATION NUMBER: 60/095,163
 26 <151> PRIOR FILING DATE: 1998-08-03
 28 <150> PRIOR APPLICATION NUMBER: 60/095,167
 29 <151> PRIOR FILING DATE: 1998-08-03
 31 <150> PRIOR APPLICATION NUMBER: 60/112,257
 32 <151> PRIOR FILING DATE: 1998-12-15
 34 <150> PRIOR APPLICATION NUMBER: 60/131,611
 35 <151> PRIOR FILING DATE: 1999-04-29
 37 <160> NUMBER OF SEQ ID NOS: 106
 39 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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 42 <211> LENGTH: 227
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: Synthetic sequence
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 51 agggggcagg gatggctata tttctggag aattaaccga tcgacgtgca agcggacatt 120
 52 tattttaaat tcgataattt ttgcaaaaac atttcgacat atttattttat tttatttatta 180
 53 tgagaatcaa tcctactact tctggttctg gggttccac ggcttagc 227
 55 <210> SEQ ID NO: 2
 56 <211> LENGTH: 191
 57 <212> TYPE: DNA
 58 <213> ORGANISM: Artificial Sequence
 60 <220> FEATURE:
 61 <223> OTHER INFORMATION: Synthetic sequence
 63 <400> SEQUENCE: 2
 64 gagctcgctc ccccgccgtc gttcaatgag aatggataag aggctcgtag gattgacgtg 60

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65	agggggcagg gatggctata tttctggag aattaaccga tcgacgtgca agcggacatt	120
66	tatTTaaat tcgataattt ttgcaaaaac atttcgacat atttatttat tttattatta	180
67	tgagagctag c	191
69	<210> SEQ ID NO: 3	
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71	<212> TYPE: DNA	
72	<213> ORGANISM: Artificial Sequence	
74	<220> FEATURE:	
75	<223> OTHER INFORMATION: Synthetic sequence	
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79	agggggcagg gatggctata tttctggag aattaaccga tcgacgtgca agcggacatt	120
80	tatTTaaat tcgataattt ttgcaaaaac atttcgacat atttatttat tttattatta	180
81	tgagaataaa cccgacacaaca agtggaaagtg ggggttccac ggcttagc	227
83	<210> SEQ ID NO: 4	
84	<211> LENGTH: 196	
85	<212> TYPE: DNA	
86	<213> ORGANISM: Artificial Sequence	
88	<220> FEATURE:	
89	<223> OTHER INFORMATION: Synthetic sequence	
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93	agggggcagg gatggctata tttctggag ttacgtttcc acctcaaagt gaaatatagt	120
94	atttagttct ttctttcatt taatgcctat tgggtttcca aaagtccctt tccgaagtcc	180
95	tggagaggaa gctagc	196
97	<210> SEQ ID NO: 5	
98	<211> LENGTH: 154	
99	<212> TYPE: DNA	
100	<213> ORGANISM: Artificial Sequence	
102	<220> FEATURE:	
103	<223> OTHER INFORMATION: Synthetic sequence	
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107	agggggcagg gatggctata tttctggag ttacgtttcc acctcaaagt gaaatatagt	120
108	atttagttct ttctttcatt taatgcctgc tagc	154
110	<210> SEQ ID NO: 6	
111	<211> LENGTH: 195	
112	<212> TYPE: DNA	
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121	taattcatga gtttaggaa gggatttatg tcaccacaaa cagagactaa agcaagtgtt	180
122	ggattcaaag cttagc	195
124	<210> SEQ ID NO: 7	
125	<211> LENGTH: 159	
126	<212> TYPE: DNA	

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127 <213> ORGANISM: Artificial Sequence
 129 <220> FEATURE:
 130 <223> OTHER INFORMATION: Synthetic sequence
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 134 agggggcagg gatggctata tttctggag tcgagtagac cttgttgg 120
 135 taattcatga gttgttaggaa gggattttatg tcagctagc 159
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 138 <211> LENGTH: 195
 139 <212> TYPE: DNA
 140 <213> ORGANISM: Artificial Sequence
 142 <220> FEATURE:
 143 <223> OTHER INFORMATION: Synthetic sequence
 145 <400> SEQUENCE: 8
 146 gagctcgctc cccggccgtc gttcaatgag aatggataag aggctcggtg gattgacgtg 60
 147 agggggcagg gatggctata tttctggag tcgagtagac cttgttgg 120
 148 taattcatga gttgttaggaa gggattttatg aguccucaga cagaaacaaa agccucagta 180
 149 ggattcaaa ctac 195
 151 <210> SEQ ID NO: 9
 152 <211> LENGTH: 195
 153 <212> TYPE: DNA
 154 <213> ORGANISM: Artificial Sequence
 156 <220> FEATURE:
 157 <223> OTHER INFORMATION: Synthetic sequence
 159 <400> SEQUENCE: 9
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 161 agggggcagg gatggctata tttctggag caatgcaata aagttacgta gtgtctattt 120
 162 atctttgata taaggggtat ttccatgggt ttgccttgg 180
 163 ttgaatgatg ctac 195
 165 <210> SEQ ID NO: 10
 166 <211> LENGTH: 153
 167 <212> TYPE: DNA
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 171 <223> OTHER INFORMATION: Synthetic sequence
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 175 agggggcagg gatggctata tttctggag caatgcaata aagttacgta gtgtctattt 120
 176 atctttgata taaggggtat ttccatggct agc 153
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 179 <211> LENGTH: 201
 180 <212> TYPE: DNA
 181 <213> ORGANISM: Artificial Sequence
 183 <220> FEATURE:
 184 <223> OTHER INFORMATION: Synthetic sequence
 186 <400> SEQUENCE: 11
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 188 agggggcagg gatggctata tttctggaa aaaagccttc cattttctat tttgatttgg 120
 189 agaaaaacttag tgtgcttggg agtccctgat gattaaataa accaagattt taccatgact 180

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190	gcaattttag agagagctag c	201
192	<210> SEQ ID NO: 12	
193	<211> LENGTH: 183	
194	<212> TYPE: DNA	
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197	<220> FEATURE:	
198	<223> OTHER INFORMATION: Synthetic sequence	
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202	agggggcagg gatggctata tttctgggaa aaaagccttc cattttctat tttgatttgt	120
203	agaaaactag tgtgcttggg agtccctgtat gattaaataa accaagattt taccatggct	180
204	agc	183
206	<210> SEQ ID NO: 13	
207	<211> LENGTH: 185	
208	<212> TYPE: DNA	
209	<213> ORGANISM: Artificial Sequence	
211	<220> FEATURE:	
212	<223> OTHER INFORMATION: Synthetic sequence	
214	<400> SEQUENCE: 13	
215	gagctcgctc ccccgccgtc gttcaatgag aatggataag aggctcggtg gattgacgtg	60
216	agggggcagg gatggctata tttctgggag caaaaagcct tccattttct attttattt	120
217	gtagaaaact agtgtgcttg ggagtccttg atgattaaat aaaccaagat ttaccatgg	180
218	ctagc	185
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230	agggggcagg gatggctata tttctgggag ggagaccaca acggttccc actagaaata	120
231	attttgttta actttaagaa ggagatatac atatggcaag catgactggt ggacaggcta	180
232	gc	182
234	<210> SEQ ID NO: 15	
235	<211> LENGTH: 182	
236	<212> TYPE: DNA	
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245	attttgttta actttaagaa ggagatatac atatggcaat cactagccct gccttggcta	180
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249	<211> LENGTH: 161	
250	<212> TYPE: DNA	
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VERIFICATION SUMMARY

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